

Daily Report

Project:	Durham Meadows Pipeline Installation	Date:	April 27, 2020
Location:	Main Street and shared access road, Durham & Middletown, CT	Day of Week:	Monday
Project #:	AECOM: 6061487	Report No:	66
Contractor:	Ludlow Construction	Page:	1 of 13

Weather Conditions

Conditions: Daylight hours. Cloudy, scattered showers. Winds variable 0-14 mph.
Temperature (°F): High 45°F Low 37°F

Contractors & Subcontractors Workforce				Equipment in Use			
Trade	#	x	hrs	Trade	#	x	hrs
USACE				Ludlow Construction			
Field Engineer	2	x	8	Superintendent	0	x	8
				Safety Officer	1	x	8
				Foreman	2	x	8
				Dump truck Operator	4	x	8
				Excavator Operator	4	x	8
				Skid Steer/Bucket Loader	1	x	8
				Laborers	6	x	8
				<i>Note that some persons</i>			
				<i>Multiple pieces equipment.</i>			
				Sub-contractor	1	x	8
				Middletown Police Detail	0	x	8
				State Police Detail	2	x	8

Visitors: CTDOT representative
John Ewanowski, Middletown Water & Sewer Department

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Pipe Connections and Installations

Ludlow placed restrained and unrestrained 16" DIP from Station 167+14 to Station 169+40 (with three corporation stops), a curb stop servicing 224 Talcott Ridge Drive (~Station 15+00), and placed 8" plastic drain pipe from the swale on the east side of the driveway for 214 Talcott Ridge Drive to a previously placed catch basin.

Compaction Testing

Compaction testing was performed today. The results of testing are provided below.

Compaction Data for 4-27-20		
Station	Percent Compaction	Percent Moisture Content
167+05 to 167+30	96.4	8.9
	97.9	3.9
	95.5	3.2
	98.4	3.7
	97.5	3.3
167+30 to 167+55	96.5	7.0
	96.6	4.1
	98.1	4.4
	97.3	4.3
	97.0	3.4
167+55 to 167+80	95.7	7.9
	96.2	6.5
	96.5	2.8
	98.4	3.3
	96.5	2.9
167+80 to 168+05	97.3	7.7
	96.0	4.6
	97.6	3.6
	98.8	3.0
	99.0	2.7
168+05 to 168+30	97.6	5.1
	95.7	7.9
	96.5	4.7
	98.4	3.4
	99.9	3.9

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Station	Percent Compaction	Percent Moisture Content
168+30 to 168+55	95.7	3.6
	96.4	2.9
	97.3	3.3
	97.9	3.4
	98.6	3.3
168+55 to 185+80	97.0	3.7
	95.8	3.8
	95.5	3.5
	95.2	4.4
	100.0	3.7
168+80 to 169+5	98.6	3.8
	96.6	3.5
	95.4	3.6
	97.7	3.0
	96.0	3.1

Additional Data

None.

Daily Activities – Pressure Testing

Ludlow continued pressure testing at multiple locations today. Middletown Water & Sewer Department representative John Ewanowski was present to observe testing.

Daily Activities – Shared Access Road

0715: Ludlow preparing to run 8" corrugated black plastic pipe from the east edge of the driveway for 214 Talcott Ridge Drive into the catch basin located at Station 14+40 on the south side of the shared access road. Ludlow indicated that this is a design change.

0845: Ludlow has opened a trench from the swale along east side of the driveway at 214 Talcott Ridge Drive into the catch basin located at Station 14+40. They are currently cutting a hole into the side of the catch basin to insert the 8" corrugated black plastic pipe.

1010: Ludlow has finished the installation of the 8" corrugated black plastic pipe. The pipe was secured in place on the catch basin with bricks and mortar. Ludlow is currently hand digging across the shared access road adjacent to the driveway for 224 Talcott Ridge Drive to locate the power and communication lines that run down the road. Ludlow saw-cut the asphalt apron of the driveway where trenching activities are required to install a 1" curb stop.

1200: Ludlow continues to work at the intersection of the shared access road and the driveway for 224 Talcott Ridge Drive. The trench has been extended north in order to locate the 20" water line and tap into it to add the 1" curb stop. Ludlow is currently in

Res. Representative:

J. Meunier

Date: 4/27/20

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the process of tapping the 20" pipe.

1330: Ludlow has finished installing the 1" curb stop for 224 Talcott Ridge Drive. The curb stop was finished with a valve stem and valve box. Ludlow is currently placing riprap in the plunge pool located between 224 and 216 Talcott Ridge Drive.

Daily Activities – Main Street, Durham

Ludlow continued placing 16" DIP and corporation stops on Main Street (southbound) today. Traffic detail provided by CT state police.

0752: Ludlow crew is set up at Station 167+14 and is about to place a 20' section of 16" DIP. Ludlow is pumping a moderate amount of water out of the trench which has been directed into a catch basin outfitted with a silt sock. Two state police are present providing traffic detail. Only one lane of traffic is open at the work zone.

0834: Ludlow has placed a 1" corporation stop at Station 167+72 and continues to place 16" DIP. They are no longer pumping water out of the trench.

0931: Ludlow has installed a second corporation stop at Station 168+02.5. JTC is present and is performing compaction tests on the first lift of compacted of -3" gravel.

1035: Ludlow has placed 16" DIP up to approximately Station 168+70. Some of the DIP placed today has been unrestrained.

1045: Ludlow is preparing to place unrestrained pipe with a corporation stop at Station 168+80.

1053: JTC collecting more soil compaction data.

1150: Ludlow is currently hand digging around a communication line close Station 169+26, where a third corporation stop is to be placed.

1257: The corporation stop for water service has been placed at Station 169+26. Ludlow is trenching to add additional 16" DIP and a 16"x6" M.J. C.L.D.I. hydrant Tee and 6" M.J. Gate valve and gate box at Station 169+72.

1400: Ludlow has ended the day with 16" DIP placed up to Station 169+40. The hydrant TEE/valve at Station 169+72 was not placed today. The trench has been almost completely backfilled and compacted. A CTDOT representative is on site observing backfilling and compaction activities.

Payment Items:

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Picture 1: 8" corrugated black plastic pipe from the east edge of the driveway for 214 Talcott Ridge Drive into the catch basin located at Station 14+40 on the south side of the shared access road. Placement of 8" View to the southeast. Middletown, CT.

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Picture 2: Ludlow cutting hole in side of catch basin to receive 8" corrugated black plastic pipe from the east edge of the driveway for 214 Talcott Ridge Drive. Middletown, CT.

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Picture 3: Trench closed up after installation of 8" corrugated black plastic pipe from the east edge of the driveway for 214 Talcott Ridge Drive into the catch basin located at Station 14+40. View to the southeast. Middletown, CT.

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Picture 4: JTC performing soil compaction test at ~Station 168+00. View to the south. Durham, CT.

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Picture 5: Communication and power lines daylighted by Ludlow adjacent to the driveway for 224 Talcott Ridge Drive. Middletown, CT.

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Picture 6: Ludlow trenching across the shared access road adjacent to the driveway for 224 Talcott Ridge Drive in order to tap the 20" water line to add a corporation stop. View to the north. Middletown, CT.

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Picture 7: Valve stem associated with the curb stop installed for 224 Talcott Ridge Drive. View to the southeast. Middletown, CT.

Res. Representative:	J. Meunier	Date:	4/27/20
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Picture 8: Ludlow placing riprap in the plunge bowl located between the driveways for 224 and 216 Talcott Ridge Drive. View to the north. Middletown, CT.

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Picture 9: Ludlow compacting backfill at ~Station 168+00. View to the northeast. Durham, CT.